Public Works (1902). Department.

G.O., No. 6303 / 6313 I.

DATED 4th ~~May~~ June 1902.

28/5/02

[Despatch Abstract.]

Lock Bridges in the Kistna Eastern Delta

The estimate, amounting to Rs ~~4140~~ 4133, for raising two ——— sanctioned, and a copy of the Pro: ordered to be forwarded to the G. of I for information.

INDEXED.

Lock Bridges in the Kistna Eastern Delta 25/6.

Forwarding a copy of the Pro: sanctioning the estimate, amounting to Rs ~~4140~~ ~~4133~~ 4133, for raising two ———

P.W. 88
1,500—11-8-00

Dr/7 E.J.

6-6-02

SM 27/5/2

BACK PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

FURTHER PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

IRRIGATION.
ACCOUNT.

Government {1902} of Madras.

PUBLIC WORKS.

Recd.	1902.	*Enclosures*
Regd.		*Spare copies*

G.O., Nos. 630, 631 I., 4th June 1902.

JUNE

Lock Bridges in the Kistna Eastern Delta

Forwarding a copy of the Proceedings sanctioning the estimate, amounting to Rs. 4,133, for raising two —.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.
Account.

READ—the following papers :—

From the Superintending Engineer, II Circle, dated 19th April 1902, No. 28 I.

ENCLOSURE.

REPORT to accompany the estimate for raising the lock bridge of Bantumalli canal at $5\frac{1}{2}$ miles near Kamalapuram.

	RS.
Amount of estimate	1,860

The existing bridge at this lock consists of a masonry arch the crown of which is so low that at full supply level it is extremely difficult to get through the bridge.

It is now proposed to raise the headway by raising the abutments—the section of which admits of this—and putting in a bridge of trough * plates with concrete and gravel over.

It is proposed to extend irrigation under the Bantumalli canal and the water level of this reach will probably be raised. The raising of this bridge also provides for this contingency although it is necessary to raise it in any case.

	lb.
* Dead load of concrete and gravel ..	120
Live load 100 lb. = dead load	200
	320 or 2·86 cwt.

To bear this weight in a clear span of 15 feet, a trough decking section, A maximum (*vide* Dorman, Long & Co. Catalogue, page 166) is proposed.

(Signed) P. HAWKINS,
Ex. Engr., Kistua Eastern Divn.

17th December 1901.

No. 136 I.

Note by the Chief Engineer for Irrigation.

The Superintending Engineer, II Circle, submits estimates for the marginally-noted works in the Kistna Eastern delta, amounting to Rs. 1,500 and 1,860, respectively. The crowns of the existing arches of the bridges are stated to be so low that at full supply level it is found difficult to maintain navigation.

	RS.
1. Raising the lock bridge of head lock, Polraz canal, at 39 mile 27 chain	1,500
2. Raising the lock bridge of Bantumalli canal at Kamalapuram ...	1,860

2. These works are classed as "unremunerative" as they are not directly remunerative in themselves, but being required for the full development of the Kistna delta system, may be charged to the Open Capital account thereof. They will probably be completed by the 31st March 1903.

(Signed) A. W. SMART, Col., R.E.,
Ag. Chief Engineer for Irrigation.

12th May 1902.

ORDER—No. 630 I., dated 4th June 1902.

The following estimate is sanctioned :—

Imperial.
Capital Expenditure not charged to Revenue.
49. Irrigation.
Kistna Delta System.
Eastern Division.
Open Capital Account.
I. Works.
2. Main Canals and Branches.
I. Navigation Works.
Unremunerative Works.

	RS.
(i) Raising the lock bridge of head lock, Polraz canal, at 39 mile and 27 chains	1,500
Total, I. Works	1,500
II. Establishment ...	345
Grand Total ...	1,845
(ii) Raising the lock bridge of Bantumalli canal at Kamalapuram ...	1,860
Total, I. Works	1,860
II. Establishment ...	428
Grand Total ...	2,288

2. These sanctions are registered as No. 46 I. and No. 47 I. of 1902–1903, and will expire on the 31st March 1903.

3. Ordered that a copy of these Proceedings be forwarded to the Government of India for information.

[Here enter No. 631 I., dated 4th June 1902.]

(True Extract.)

(Signed) A. W. SMART, Col., R.E.,
Ag. Joint Secretary to Government,
Irrigation Branch.

To the Chief Engineer for Irrigation.
„ Superintending Engineer, II Circle, with plans and estimates.
„ Examiner, Public Works Accounts.

ENDORSEMENT—No. 631 I., dated 4th June 1902.

Forwarded.

(By order.)

(Signed) A. W. SMART, Col., R.E.,
Ag. Joint Secretary to Government,
Irrigation Branch.

Exd. T. K. Narayana Aiyangar.

3,000—20-5-01.

Public Works (1902) Department.

CURRENT No. ~~143~~ ~~P.W.~~ PWE 5299/2

From

[Name] H. H. O'Connell Esquire

[Designation] Offg. Superintending Engineer II circle.

[Station] Bezwada.

No. 289.

Dated 19-4-1902

Enclosures { Plans 2, Others 2 } Total 4

Spare copies

Received 21. 4. 1902.

Registered 21. 4. 1902.

SUBJECT.

Estimates

Forwards — (1) for raising the lock bridge of head lock Polvaza canal Rs1500 and (2) for raising lock bridge of Bantumilly canal at Kamalapuram. Rs 1860. - for favor of approval and sanction of Government.

BACK PAPERS.

D.E.s for orders

159 The estimate has been checked 20/4/02

CE to check. 22/4/02

FURTHER PAPERS.

29-4-02

21.4.02

21/4

To

The Chief Engineer / Secretary to Government, Public Works Department.

Sir,

Superintending Engineer's Office, II Circle,

BEZWADA, 19 - 4 - ~~189~~ 1902

No. 28 I.

From

Hugh O'Connell Esquire

Offg Superintending Engineer,

II Circle,

To

The Chief Engineer for Irrigation.

Sir,

Enclosures. 4
2 Estimates
2 Plans

I have the honour to forward herewith the undermentioned Estimates with plans &c for favour of your approval and sanction of Government under 49 Open Capital Account of the Kistna Delta System, Eastern section as "Unremunerative works"

(1) Raising the lock bridge of Head lock Pobrag Canal at 39 m 27 chains Rs 1500

(2) Raising lock bridge of Bantumalli Canal at Kamalapuram Rs 1860.

2. The reports accompanying Explain the necessity for the works in question.

3. The works are classed as "Unremunerative" as they are not in themselves directly

remunerative, but are required for the full development of the Kistna Delta System, and, also in the interests of Navigation.

I have the honour to be,
Sir,
Your most obedient Servant,
K. Srinivasaliyangar, 19/4/02
for Offg Superintending Engineer,
II Circle.

$\frac{8/1}{18 3/12}$

CHIEF ENGINEER
FOR IRRIGATION.
21 APR. 1902
No. 1113. U.S.

2 8p

Report to accompany the estimate for raising the Lock bridge of Bantumilli Canal at $5\frac{1}{2}$ miles near Kamalapuram
Amount of estimate Rs 1860

ENGINEER'S OFFICE
No. 1
19 DEC. 190
P.W.D.
SECOND CIRCLE

The existing bridge at this lock Consists of a masonry arch the crown of which is so low that at full supply level it is extremely difficult to get through the bridge.

It is now proposed to raise the headway by raising the abutments — the section of which admits of this and putting in a bridge of trough* plates with Concrete and gravel over.

It is proposed to extend irrigation under the Bantumalli Canal and the water level of this reach will probably be raised. The raising of this bridge also provides for this Contingency — although it is necessary to raise it in any Case.

* Dead load of Concrete & gravel — 120 lbs
Live load 100 lbs = Dead load = } 200 lbs
320 lbs
or 2.86 Cwt
To bear this weight in a clear span of 15 ft a trough Decking sec: A. Maximum Vide Dorman Long & Co Catalogue page 166 is proposed.

J Hawkins
17.12.0

Executive Engineer
Kistna Eastern Dn

PWE2
5298/2

CHIEF ENGINEER
FOR IRRIGATION.
21 APR 1902
No.........................

7 {2 plans 5 others

PW C No 5299
Recd } 23-5-02
Regd }

PUBLIC WORKS DEPARTMENT,

IRRIGATION BRANCH.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Estimates for raising 2 lock bridges in the Kistna Eastern Delta

READ the following

From the Superintending Engineer, II Circle, d/- 19-4-02, No. 28 I.

Ro 136 I d/ 12. V. 02

Print Report

Note by the Chief Engineer for Irrigation.

*

1. Raising the lock bridge of Head lock Polraz canal at 39 mile 27 chain	......	Rs 1500
2. Raising the lock bridge of Bantumalli Canal at Kamalapuram	....	1,860.

The Superintending Engineer, II Circle, submits estimates for the marginally* noted works in the Kistna Eastern Delta amounting to Rs 1,500 and 1,860 respectively. The crowns of the existing arches of the bridges are stated to be so low that at full supply level it is found difficult to maintain navigation.

2. These works are classed as "Unremunerative" as they are not directly remunerative in themselves, but being required for the full development of the Kistna Delta System may be charged

Issue
19/5/02

5-8

27/5